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(Red)

# COMMONWEALTH of VIRGINIA

*Department of Health*  
*Richmond, Va. 23219*

JAMES B. KENLEY, M.D.  
COMMISSIONER

## Preliminary Assessments on Virginia Sites Owned by the Reynolds Metals Company

### Sites Number Listing

VAD065375735 = VA-212  
VAD000819532 = VA-213  
VAD000819540 = VA-214  
VAD039048103 = VA-215  
VAD039048046 = VA-216  
VAD039048160 = VA-217  
VAD041518663 = VA-218  
VAD980552285 = VA-219

Prepared for

United States Environmental Protection Agency - Region III  
Hazardous Waste Management Division

Prepared by

Bureau of Solid Waste Management  
Virginia State Department of Health  
Richmond, VA 23219

March 1984



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(F&G)

# COMMONWEALTH of VIRGINIA

*Department of Health*  
*Richmond, Va. 23219*

JAMES B. KENLEY, M.D.  
COMMISSIONER

March 22, 1984

Mr. Darius C. Ostrauskas  
Environmental Scientist  
USEPA - Region III  
Sixth and Walnut Streets  
Philadelphia, PA 19106

Dear Darius:

Attached is a draft of our report, "Preliminary Assessments on Virginia Sites Owned by the Reynolds Metals Company."

If you have any questions or comments regarding the contents of this report, please call me.

Sincerely,

A handwritten signature in dark ink, reading "Berry F. Wright, Jr." in a cursive style.

Berry F. Wright, Jr., P.E.  
Acting Director  
Bureau of Solid Waste Management

BFW/RCW/KLG/mcw

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Summary and Conclusion

A preliminary assessment was made on various sites in Virginia owned by the Reynolds Metals Company. A site visit was made during January 1984 by the State Health Department at all these facilities. Information sources used were generally qualitative, for in most cases data specific to each site were unavailable and judgement was necessary. Sites 212, 213, 214, and 219 were recommended for "No Action Needed." Sites 215, 216 and 218 were found to show no obvious adverse impacts on public health during the site inspections. However, it is recommended that a site inspection be performed at sites 215, 216 and 218 due to possible effects on public health or the environment.

Underground solvent storage tanks located at the Bellwood Print Plant (VA-215) should be monitored for leakage due to the presence of twenty to thirty domestic wells located within a half mile radius of these tanks. In addition, the landfill located to the rear of the Reclamation Plant (VA-216) showed a brown-rust colored leachate emerging.

At the Reynolds Grottoes Plastic Plant (VA-218), the underground waste alcohol storage tanks are twenty to thirty years old. There are many domestic wells located within a two-mile radius of this plant and the town of Grottoes takes its water supply from wells located less than a mile to the Northeast.

Introduction

The Reynolds Metals Company, headquartered in Richmond, Virginia, operates a number of facilities in the State of Virginia. This report reviews and evaluates all of the facilities currently on the USEPA Region III Dumpsite Number Listing for their potential as a hazardous waste site.

The first of the facilities is the North Plant (VA-212), a aluminum foil fabrication and containerization facility. An additional plant, the South Plant (VA-217), is engaged in the manufacturing of plain and coated aluminum foil. Both of these plants are located in the City of Richmond boundaries in an industrial section along the James River.

The major facility in the Richmond area is the Reynolds Metals Bellwood complex, on Reymont Road, east of Interstate 95 and North of Proctor's Creek in Chesterfield County, Virginia. Four plants make up the Bellwood complex which began operation in 1948 with the Bellwood Reclamation Plant (VA-216). This plant is considered as a secondary aluminum operation in that various types of aluminum scraps are remelted, i.e., reclaimed at the facility. Also found in this complex is the Bellwood Printing Plant (VA-215). This plant has been in operation since 1958 and has been producing labels and packaging since that time. The basic process is to laminate paper or cardboard to foil, print, cut and package labels and print carton material. In addition to these facilities in this complex, Reynolds operates an extrusion plant (VA-213) and the Bellwood #44 plant (VA-214) in which aluminum sheet is rolled into various grades of thickness.

Another facility Reynolds Metals owns is Southern Gravure Service Inc. (VA-219) located in Henrico County, Virginia, on Sprouse Drive and Settler Road. The process used in this facility is printing by the rotogravure

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method. Briefly, art work is transferred to a photographic representation on film. The film is used to expose a resist on a copper plated cylinder, etched by a bath solution, proofed, chrome plated, and finally shipped.

Finally, Reynolds Metals owns and operates the Grottoes Plastics Plant (VA-218) in the City of Grottoes, Augusta County, Virginia. The plant manufactures synthetic thermoplastic from polyvinyl chloride polymer. Major production is of FDA approved food and pharmaceutical packing materials.

## Chapter 2

Problem Definition

The Preliminary Assessment is used to document the information initially available concerning a given site and to determine the necessity for and priority of a more in-depth Site Inspection.

General goals of the Preliminary Assessment are to:

1. determine whether wastes reported thru NOTIS are a potential or real threat to public health and/or the environment;
2. identify any waste or disposal of waste which should have been reported under NOTIS and to determine if a potential or real threat to health and/or the environment exists; and
3. to provide information, data and recommendation for further investigation to determine the nature and extent of suspected or known contamination.

The Reynolds Metals Company, Environmental Control Department completed CERCLA 103(c) notification forms for their respective plants and thus was listed on the USEPA potential site inventory.

NOTIS comments and listings of types of waste at the facilities were non-specific as to amounts and specific kinds of chemicals used. Potential problems reported such as solvents, acids, spent plating bath solution, waste oil, septic tank drainfield, etc., were either closed out or all liquid, semi-liquids and sludges were being disposed of in an out-of-state disposal facility or being used as fuel supplements in other kinds of manufacturing process.



## Chapter 3

### Geology and Soils

The Bellwood Complex (VA-213-216) is located just to the east of the Fall Zone, which is the eastern edge of the Piedmont Physiographic Province. The Fall Zone separates the igneous and metamorphic rocks of the Piedmont from the sediments of the Coastal plain. The Bellwood Complex is underlain by the Columbia Group which consists of Quaternary and Tertiary Regressive sands and gravels to a depth of about 13.7 meters. Below the Columbia Group lies the Patuxent Formation, which consist of cross bedded sands and poorly sorted sands and gravels characteristic of a fluvial depositional system. The Petersburg Granite lies beneath the above formation and is found at a depth of 21.3 meters.

The original soils for the Bellwood Complex are of the Grinitney-Atlee series, which are deep, well drained soils that have a clayey or loamy subsoil on the uplands. These soils were formed in a coastal plain environment. The permability is slow in the subsoil due to the clay and the available water capacity is medium. The site itself has been heavily worked for industrial purposes and should be referred to as man-made soils and unclassified fill.

The Southern Gravure Plant (VA-219) is located further east of the Fall Zone than the Bellwood Complex. Underlying this facility are thick deposits of clay which are found in the uppermost layers of the Calvert Formation. The Patuxent Formation at the Southern Gravure site is found approximately 7.6 meters below mean sea level (MSL).

Soils beneath the Southern Gravure site are of the Lynchburg-Rains-Coxville Association. These soils consist of deep, somewhat poorly drained soils that have a dominantly clay loam or clayey subsoil.

The Reynolds North Plant (VA-212) and the South Plant (VA-217) are located to the west of the Fall Zone. Directly beneath the fill material and man-made soils lies Petersburg Granite.

The Reynold's Grottoes Plastics Plant (VA-218) lies in a completely different geographic province. Located on the western slope of the Blue Ridge Mountains the Grottoes Plant was built on top of alluvium deposits. The soils have been reworked for industrial purposes and thus considered "man-made." Beneath this layer of Alluvium deposits lies the alternating limestone and dolomite beds of the Elbrook and Conococheague formation.

### Surface Waters

Chesterfield County has many streams that bisect the County, one of which is Proctors Creek. Proctors Creeks flows east immediately to the south of the Bellwood Complex (VA-213-216). This creek discharges into the James River less than a mile east of the Bellwood complex. The Reynolds North Plant (VA-212) and South Plant (VA-217) are located almost directly on the banks of the James River a few miles upstream from the Bellwood complex. The Reynolds Southern Gravure Plant (VA-219) is located in Henrico County, a few hundred yards to the west of the White Oak Swamp River which flows into the Chickahominy River.

The Reynold's Grottoes Plastic Plant (VA-218) located in Grottoes, Virginia is approximately 161 kilometers west of Richmond. The South River is located about 152.3 meters to the West from the western border of the plant. A small unnamed stream flows across the northern edge of the Grottoes Plant and discharges into the South River.

## Groundwaters

The groundwater east of the fall zone generally flows in a southeastern direction. The groundwater tables for the Bellwood Complex (VA-213-216) and Southern Gravure (VA-219) are very similar. There are two water tables at both sites. The uppermost water table is located about 3.0 meters below the surface at the Southern Gravure Plant, and about 4.0 meters below the surface at the Bellwood complex. The lower aquifer is beneath a clay layer and is found in the Patuxent formation. The Patuxent formation is located 18.3 meters above mean sea level at the Bellwood complex and is 7.6 meters below mean sea level at the Southern Gravure Plant. There is little if any groundwater beneath the North (VA-212) and South Plants (VA-217). These plants are located on banks of the James River and are built on top of the Petersburg Granite.

The groundwater beneath the Grottoes Plant (VA-218) flows in a westerly direction towards the South River. Depth to bedrock is about 6.1 meters. The main water bearing drinking aquifer is located 80.7 meters below the surface.

### Potable Water Supply

The Bellwood Complex (VA-213-216) and surrounding area is supplied by a municipal water system or has city water available. The water is obtained from the Falling Creek Reservoir located at least two miles northwest of the site. Although most homes in the area are hooked up on the municipal system, the Chesterfield County Health Department estimates that at least twenty domestic wells are located within a half mile radius of the site.

The Southern Gravure Plant (VA-219) is located in a sparsely populated area. The plant itself is serviced by city water and sewer service, but only a minority of residences derive potable water from the City. The Henrico County Health Department estimates that as many as seventy domestic wells are located in the area.

The Reynolds North plant (VA-212) and South plant (VA-217) are located within the corporate limits of the City of Richmond. The City of Richmond supplies both of these plants with water from a municipal system. The municipal system derives its water from the James River from an intake located two kilometers upstream from the facility.

The town of Grottoes is supplied water by a municipal system. The system draws its water from two wells located three quarters of a mile to the North East of the Reynolds Grottoes plant. These wells are up gradient from the Reynolds Grottoes Plastics Plant (VA-218). The water bearing aquifers are located at 80.7 meters and 103 meters below the surface. There are at least three private wells within one half mile of the site but most homes derive their potable water from the municipal source.

## Chapter 4

Demographic Distribution

	<u>Bellwood Complex (VA-213-216)</u>	<u>Southern Gravure (VA-219)</u>	<u>North and South (VA-212/217)</u>	<u>Grottoes (VA-218)</u>
Henrico County		180,735		
Chesterfield County	141,372			
City of Richmond	219,214	219,214	219,214	
City of Grottoes				1,369
1 mile Radius	990	150	25,200	1,500
2 mile Radius	2,050	350	60,000	1,800
3 mile Radius	6,440	700	90,000	2,290

(Data based on 1980 Census)

Land Use

All of the Reynolds Metals Plants (VA-212-219) have been built in areas zoned for industrial use. There are no plans by Reynolds Metals to discontinue operations at any of the plants.

## Chapter 5

### Climate and Meteorology

The Central Virginia Area has a warm continental climate. The average annual rainfall is about 1118 mm. and the average air temperature is between 10°C and 15.5°C. At the Grottoes Plant the average temperature is only 2°C - 3°C cooler and rainfall data is similar. The mean value for the evapotranspiration is 39 inches per year. Therefore, the net water budget is about 5 inches per year.

## Chapter 6

### Sensitive and Critical Habitats

A sensitive environment is a region that contains important biological resources or is a fragile natural setting that would suffer serious damage if hazardous substances were to be released from the facility. Wetlands are classified as sensitive environments as defined by EPA in 40 CFR, Part 230, Appendix A, 1980. A critical habitat is classified by EPA to contain an endangered species as designated by the U. S. Fish and Wildlife Service.

Environmental impacts on a critical ecosystem as defined above were not observed at any Reynolds Metals facilities discussed in this report.



REGION	SITE NUMBER (to be assigned by Hq)
III	VA-212

**GENERAL INSTRUCTIONS:** Complete Sections I and III through X as completely as possible before Section II (*Preliminary Assessment*). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

A. SITE NAME Reynolds Metals North Plant		B. STREET (or other identifier) Eleventh and Byrd Streets (Red)	
C. CITY Richmond		D. STATE VA	E. ZIP CODE 23219
		F. COUNTY NAME "N/A"	
G. OWNER/OPERATOR (if known)			
1. NAME Reynolds Metals Company, Richmond, VA 23261		2. TELEPHONE NUMBER (804) 281-2918	
H. TYPE OF OWNERSHIP			
<input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input checked="" type="checkbox"/> 5. PRIVATE <input type="checkbox"/> 6. UNKNOWN			

J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.)	K. DATE IDENTIFIED (mo., day, & yr.)
Section 103(c) CERCLA Notification	June 1981

1. NAME	2. TELEPHONE NUMBER
B. Wright, Va. State Health Dept., Solid Waste Management	(804) 225-2822

1. APPARENT SERIOUSNESS OF PROBLEM

☐ 1. HIGH    ☐ 2. MEDIUM    ☐ 3. LOW    ☒ 4. NONE    ☐ 5. UNKNOWN

B. RECOMMENDATION

☒ 1. NO ACTION NEEDED (*no hazard*)

☐ 2. IMMEDIATE SITE INSPECTION NEEDED

a. TENTATIVELY SCHEDULED FOR: \_\_\_\_\_

b. WILL BE PERFORMED BY: \_\_\_\_\_

☐ 3. SITE INSPECTION NEEDED

a. TENTATIVELY SCHEDULED FOR: \_\_\_\_\_

b. WILL BE PERFORMED BY: \_\_\_\_\_

☐ 4. SITE INSPECTION NEEDED (*low priority*)

1. NAME	2. TELEPHONE NUMBER	3. DATE (mo., day, & yr.)
Robert Wichser, Kevin Greene	(804) 225-2835 (804) 225-2802	January 1984

A. SITE STATUS

<input checked="" type="checkbox"/> 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)	<input type="checkbox"/> 2. INACTIVE (Those sites which no longer receive wastes.)	<input type="checkbox"/> 3. OTHER (specify): (Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)
---	--	---

☐ 1. NO ☒ 2. YES (specify generator's four-digit SIC Code): 3352  
Site is classified as non-RCRA generator.

36.0	1. LATITUDE (deg.-min.-sec.) N 37° 32' 12"	2. LONGITUDE (deg.-min.-sec.) W 77° 26' 23"
------	---	--

☐ 1. NO ☒ 2. YES (specify): Please refer to page #15-1, photograph #1-1.

## IV. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

A. TRANSPORTER		B. STORER		C. TREATER		D. DISPOSER	
1. RAIL		1. PILE		1. FILTRATION		1. LANDFILL	
2. SHIP		2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM	
3. BARGE		3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP	
4. TRUCK		4. TANK, ABOVE GROUND		4. RECYCLING/RECOVERY		4. SURFACE IMPOUNDMENT	
5. PIPELINE		5. TANK, BELOW GROUND		5. CHEM./PHYS. TREATMENT		5. MIDNIGHT DUMPING	
6. OTHER (specify):		6. OTHER (specify):		6. BIOLOGICAL TREATMENT		6. INCINERATION	
"N/A"		Please refer to page #15-1, photograph #1-1.		7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION	
				8. SOLVENT RECOVERY		8. OTHER (specify):	
				9. OTHER (specify):			
				"N/A"		"N/A"	

## E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED

The site is presently an active aluminum foil containerization and foil fabrication plant.

## V. WASTE RELATED INFORMATION

## A. WASTE TYPE

☒ 1. UNKNOWN    ☒ 2. LIQUID    ☐ 3. SOLID    ☐ 4. SLUDGE    ☐ 5. GAS

## B. WASTE CHARACTERISTICS

☒ 1. UNKNOWN    ☐ 2. CORROSIVE    ☐ 3. IGNITABLE    ☐ 4. RADIOACTIVE    ☐ 5. HIGHLY VOLATILE  
☐ 6. TOXIC    ☐ 7. REACTIVE    ☐ 8. INERT    ☐ 9. FLAMMABLE

☐ 10. OTHER (specify):

## C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

Yes, Inventories.

2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER	
AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	
<input checked="" type="checkbox"/> (1) PAINT, PIGMENTS	<input checked="" type="checkbox"/> (1) OILY WASTES	<input checked="" type="checkbox"/> (1) HALOGENATED SOLVENTS	<input checked="" type="checkbox"/> (1) ACIDS	<input checked="" type="checkbox"/> (1) FLYASH	<input checked="" type="checkbox"/> (1) LABORATORY PHARMACEUT.	
(2) METALS SLUDGES	(2) OTHER (specify):	(2) NON-HALOGNTD. SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL	
(3) POTW	"N/A"	<input checked="" type="checkbox"/> (3) OTHER (specify):	(3) CAUSTICS	(3) MILLING/ MINE TAILINGS	(3) RADIOACTIVE	
(4) ALUMINUM SLUDGE		NOTIS indicates site handled solvent-type waste from 1942 to 1980.	(4) PESTICIDES	(4) FERROUS SMLTG. WASTES	(4) MUNICIPAL	
(5) OTHER (specify):			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER (specify):	
"N/A"			(6) CYANIDE	"N/A"	"N/A"	"N/A"
			(7) PHENOLS			
	(8) HALOGENS					
	(9) PCB					
	(10) METALS					
	(11) OTHER (specify):					
		"N/A"				

### V. WASTE RELATED INFORMATION (continued)

#### 3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).

Statement by C. Bent (Reynolds employee) indicated waste from this facility was placed in (1) Shoesmith, (2) Richmond City, and (3) Chesterfield County landfills.

#### 4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

None.

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### VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD	XXX			
2. HUMAN HEALTH	X			
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER				
8. CONTAMINATION OF SURFACE WATER				
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL				
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS				
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

## VII. PERMIT INFORMATION

## A. INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE.

- ☐ 1. NPDES PERMIT    ☐ 2. SPCC PLAN    ☐ 3. STATE PERMIT (specify): \_\_\_\_\_  
☒ 4. AIR PERMITS    ☐ 5. LOCAL PERMIT    ☐ 6. RCRA TRANSPORTER  
☐ 7. RCRA STORER    ☐ 8. RCRA TREATER    ☐ 9. RCRA DISPOSER  
☐ 10. OTHER (specify): \_\_\_\_\_

## B. IN COMPLIANCE?

- ☒ 1. YES    ☐ 2. NO    ☐ 3. UNKNOWN

4. WITH RESPECT TO (list regulation name & number): Clean Air Act, 72 U.S.C. 7401

## VIII. PAST REGULATORY ACTIONS

- ☒ A. NONE    ☐ B. YES (summarize below)

## IX. INSPECTION ACTIVITY (past or on-going)

- ☐ A. NONE    ☒ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION
Superfund	1-5-84	Virginia	Assess potential hazardous waste site.

## X. REMEDIAL ACTIVITY (past or on-going)

- ☒ A. NONE    ☐ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment (Section II) information on the first page of this form.



**POTENTIAL HAZARDOUS WASTE SITE  
IDENTIFICATION AND PRELIMINARY ASSESSMENT**

REGION	SITE NUMBER (to be as- signed by Hq)
III	VA-213

**NOTE:** This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

**GENERAL INSTRUCTIONS:** Complete Sections I and III through X as completely as possible before Section II (Preliminary Assessment). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

**I. SITE IDENTIFICATION**

A. SITE NAME Reynolds Metals Bellwood Extrusion Plant		B. STREET (or other identifier) 1901 Reymet Road	
C. CITY Richmond	D. STATE VA	E. ZIP CODE 23234	F. COUNTY NAME (Red) Chesterfield
G. OWNER/OPERATOR (if known) 1. NAME Reynolds Metals Company		2. TELEPHONE NUMBER (804) 281-2918	
H. TYPE OF OWNERSHIP <input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input checked="" type="checkbox"/> 5. PRIVATE <input type="checkbox"/> 6. UNKNOWN			

**I. SITE DESCRIPTION**

This plant is part of the Bellwood Complex. Aluminum is extruded to desired size.

**J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.)**

**K. DATE IDENTIFIED (mo., day, & yr.)**

**Section 103(c) CERCLA Notification**

June 1981

**L. PRINCIPAL STATE CONTACT**

1. NAME

B. Wright, Va. State Health Dept., Solid Waste Management

2. TELEPHONE NUMBER

(804) 225-2822

**II. PRELIMINARY ASSESSMENT (complete this section last)**

**A. APPARENT SERIOUSNESS OF PROBLEM**

☐ 1. HIGH    ☐ 2. MEDIUM    ☐ 3. LOW    ☒ 4. NONE    ☐ 5. UNKNOWN

**B. RECOMMENDATION**

☒ 1. NO ACTION NEEDED (no hazard)

☐ 2. IMMEDIATE SITE INSPECTION NEEDED  
a. TENTATIVELY SCHEDULED FOR:

☐ 3. SITE INSPECTION NEEDED  
a. TENTATIVELY SCHEDULED FOR:

b. WILL BE PERFORMED BY:

b. WILL BE PERFORMED BY:

☐ 4. SITE INSPECTION NEEDED (low priority)

**C. PREPARER INFORMATION**

1. NAME

Robert Wichser, Kevin Greene

2. TELEPHONE NUMBER

(804) 225-2835  
(804) 225-2802

3. DATE (mo., day, & yr.)

January 1984

**III. SITE INFORMATION**

**A. SITE STATUS**

☒ 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)

☐ 2. INACTIVE (Those sites which no longer receive wastes.)

☐ 3. OTHER (specify):  
(Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)

**B. IS GENERATOR ON SITE?**

☐ 1. NO

☒ 2. YES (specify generator's four-digit SIC Code): 3354

Site is classified as non-RCRA generator.

**C. AREA OF SITE (in acres)**

171.0

**D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES**

1. LATITUDE (deg., min., sec.)

N 38° 60' 00"

2. LONGITUDE (deg., min., sec.)

W 23° 15' 00"

**E. ARE THERE BUILDINGS ON THE SITE?**

☐ 1. NO

☒ 2. YES (specify): Please refer to page #15-5, photograph #3-1.

## IV. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

X	A. TRANSPORTER	X	B. STORER	X	C. TREATER	X	D. DISPOSER
	1. RAIL		1. PILE		1. FILTRATION		1. LANDFILL
	2. SHIP		2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM
	3. BARGE		3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
	4. TRUCK		4. TANK, ABOVE GROUND		4. RECYCLING/RECOVERY		4. SURFACE IMPOUNDMENT
	5. PIPELINE		5. TANK, BELOW GROUND		5. CHEM./PHYS. TREATMENT		5. MIDNIGHT DUMPING
	6. OTHER (specify):		6. OTHER (specify):		6. BIOLOGICAL TREATMENT		6. INCINERATION
					7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
					8. SOLVENT RECOVERY		8. OTHER (specify):
					9. OTHER (specify):		
	"N/A"		"N/A"		"N/A"		"N/A"

## E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED

This site is part of the Bellwood Complex. Aluminum is extruded to desired size.

## V. WASTE RELATED INFORMATION

## A. WASTE TYPE

☐ 1. UNKNOWN    ☐ 2. LIQUID    ☐ 3. SOLID    ☐ 4. SLUDGE    ☐ 5. GAS    "N/A"

## B. WASTE CHARACTERISTICS

☐ 1. UNKNOWN    ☐ 2. CORROSIVE    ☐ 3. IGNITABLE    ☐ 4. RADIOACTIVE    ☐ 5. HIGHLY VOLATILE  
☐ 6. TOXIC    ☐ 7. REACTIVE    ☐ 8. INERT    ☐ 9. FLAMMABLE
☐ 10. OTHER (specify): "N/A"

## C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

"N/A"

2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
X (1) PAINT, PIGMENTS	X (1) OILY WASTES	X (1) HALOGENATED SOLVENTS	X (1) ACIDS	X (1) FLYASH	X (1) LABORATORY PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER (specify):	(2) NON-HALOGNTD. SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW	"N/A"	(3) OTHER (specify):	(3) CAUSTICS	(3) MILLING/ MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE		"N/A"	(4) PESTICIDES	(4) FERROUS SMLTG. WASTES	(4) MUNICIPAL
(5) OTHER (specify):			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER (specify):
"N/A"			(6) CYANIDE	(6) OTHER (specify):	"N/A"
			(7) PHENOLS	"N/A"	
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			(11) OTHER (specify):		
			"N/A"		

### V. WASTE RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).

All waste generated prior to 1980 would have been placed in the landfill located behind the Reclamation Plant (VA-216).

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

There were no visible signs of a potential hazardous waste problem.

ORIGINAL  
(Rec)

### VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD	XXX			
2. HUMAN HEALTH	<div style="border: 1px solid black; width: 100px; height: 600px; margin: 0 auto;"></div>			
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER				
8. CONTAMINATION OF SURFACE WATER				
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL				
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS				
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

## VII. PERMIT INFORMATION

A. INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE.

- ☐ 1. NPDES PERMIT    ☐ 2. SPCC PLAN    ☐ 3. STATE PERMIT (specify): \_\_\_\_\_  
☐ 4. AIR PERMITS    ☐ 5. LOCAL PERMIT    ☐ 6. RCRA TRANSPORTER  
☐ 7. RCRA STORER    ☐ 8. RCRA TREATER    ☐ 9. RCRA DISPOSER  
☐ 10. OTHER (specify): "N/A"

B. IN COMPLIANCE?

- ☐ 1. YES    ☐ 2. NO    ☐ 3. UNKNOWN    "N/A"

4. WITH RESPECT TO (list regulation name &amp; number): \_\_\_\_\_

## VIII. PAST REGULATORY ACTIONS

- ☒ A. NONE    ☐ B. YES (summarize below)

## IX. INSPECTION ACTIVITY (past or on-going)

- ☐ A. NONE    ☒ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION
Superfund	1-5-84	State - VA	Assess Potential Hazardous Waste Site

## X. REMEDIAL ACTIVITY (past or on-going)

- ☒ A. NONE    ☐ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment (Section II) information on the first page of this form.





**POTENTIAL HAZARDOUS WASTE SITE  
IDENTIFICATION AND PRELIMINARY ASSESSMENT**

REGION <b>III</b>	SITE NUMBER (to be assigned by HQ) <b>VA-214</b>
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**NOTE:** This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

**GENERAL INSTRUCTIONS:** Complete Sections I and III through X as completely as possible before Section II (Preliminary Assessment). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

**I. SITE IDENTIFICATION**

A. SITE NAME <b>Reynolds Metals Bellwood Plant #44</b>		B. STREET (or other identifier) <b>1701 Reymet Road</b>	
C. CITY <b>Richmond</b>	D. STATE <b>VA</b>	E. ZIP CODE <b>23234</b>	F. COUNTY NAME <b>Chesterfield</b>
G. OWNER/OPERATOR (if known) 1. NAME <b>Reynolds Metals Company</b>		2. TELEPHONE NUMBER <b>(804) 281-2918</b>	
H. TYPE OF OWNERSHIP <input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input checked="" type="checkbox"/> 5. PRIVATE <input type="checkbox"/> 6. UNKNOWN			
I. SITE DESCRIPTION <b>Active manufacturing facility in which aluminum sheet is rolled into various grades of thickness.</b>			
J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.) <b>Section 103(c) CERCLA Notification</b>			K. DATE IDENTIFIED (mo., day, & yr.) <b>June 1981</b>

L. PRINCIPAL STATE CONTACT 1. NAME <b>B. Wright, Va. State Health Dept., Solid Waste Management</b>	2. TELEPHONE NUMBER <b>(804) 225-2822</b>
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**II. PRELIMINARY ASSESSMENT (complete this section last)**

A. APPARENT SERIOUSNESS OF PROBLEM <input type="checkbox"/> 1. HIGH <input type="checkbox"/> 2. MEDIUM <input type="checkbox"/> 3. LOW <input checked="" type="checkbox"/> 4. NONE <input type="checkbox"/> 5. UNKNOWN	
B. RECOMMENDATION <input checked="" type="checkbox"/> 1. NO ACTION NEEDED (no hazard) <input type="checkbox"/> 2. IMMEDIATE SITE INSPECTION NEEDED a. TENTATIVELY SCHEDULED FOR: _____ b. WILL BE PERFORMED BY: _____ <input type="checkbox"/> 3. SITE INSPECTION NEEDED a. TENTATIVELY SCHEDULED FOR: _____ b. WILL BE PERFORMED BY: _____ <input type="checkbox"/> 4. SITE INSPECTION NEEDED (low priority)	

C. PREPARER INFORMATION 1. NAME <b>R. Wichser, K. Greene</b>			2. TELEPHONE NUMBER <b>(804) 225-2835</b> <b>(804) 225-2802</b>	3. DATE (mo., day, & yr.) <b>January 1984</b>
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**III. SITE INFORMATION**

A. SITE STATUS <input checked="" type="checkbox"/> 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.) <input type="checkbox"/> 2. INACTIVE (Those sites which no longer receive wastes.) <input type="checkbox"/> 3. OTHER (specify): _____ (Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)		
B. IS GENERATOR ON SITE? <input type="checkbox"/> 1. NO <input checked="" type="checkbox"/> 2. YES (specify generator's four-digit SIC Code): <b>3341</b> <b>Site is classified as a non-RCRA generator.</b>		
C. AREA OF SITE (in acres) <b>171.0</b>	D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES 1. LATITUDE (deg., min., sec.) <b>N 38°60'00"</b> 2. LONGITUDE (deg., min., sec.) <b>W 23°15'00"</b>	
E. ARE THERE BUILDINGS ON THE SITE? <input type="checkbox"/> 1. NO <input checked="" type="checkbox"/> 2. YES (specify): <b>Please refer to page #15-5, photograph #3-1.</b>		

## IV. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

X	A. TRANSPORTER	X	B. STORER	X	C. TREATER	X	D. DISPOSER
	1. RAIL		1. PILE		1. FILTRATION		1. LANDFILL
	2. SHIP		2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM
	3. BARGE		3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
	4. TRUCK		4. TANK, ABOVE GROUND		4. RECYCLING/RECOVERY		4. SURFACE IMPOUNDMENT
	5. PIPELINE		5. TANK, BELOW GROUND		5. CHEM./PHYS. TREATMENT		5. MIDNIGHT DUMPING
	6. OTHER (specify):		6. OTHER (specify):		6. BIOLOGICAL TREATMENT		6. INCINERATION
					7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
					8. SOLVENT RECOVERY		8. OTHER (specify):
					9. OTHER (specify):		
	"N/A"		"N/A"		"N/A"		"N/A"

## E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED

The site is an active manufacturing facility.

## V. WASTE RELATED INFORMATION

## A. WASTE TYPE

☐ 1. UNKNOWN    ☐ 2. LIQUID    ☐ 3. SOLID    ☐ 4. SLUDGE    ☐ 5. GAS    "N/A"

## B. WASTE CHARACTERISTICS

☐ 1. UNKNOWN    ☐ 2. CORROSIVE    ☐ 3. IGNITABLE    ☐ 4. RADIOACTIVE    ☐ 5. HIGHLY VOLATILE  
☐ 6. TOXIC    ☐ 7. REACTIVE    ☐ 8. INERT    ☐ 9. FLAMMABLE

☐ 10. OTHER (specify): "N/A"

## C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

"N/A"

2. Estimate the amount(specify unit of measure)of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE		b. OIL		c. SOLVENTS		d. CHEMICALS		e. SOLIDS		f. OTHER	
AMOUNT		AMOUNT		AMOUNT		AMOUNT		AMOUNT		AMOUNT	
UNIT OF MEASURE		UNIT OF MEASURE		UNIT OF MEASURE		UNIT OF MEASURE		UNIT OF MEASURE		UNIT OF MEASURE	
X	(1) PAINT, PIGMENTS	X	(1) OILY WASTES	X	(1) HALOGENATED SOLVENTS	X	(1) ACIDS	X	(1) FLYASH	X	(1) LABORATORY PHARMACEUT.
	(2) METALS SLUDGES		(2) OTHER(specify):		(2) NON-HALOGNTD. SOLVENTS		(2) PICKLING LIQUORS		(2) ASBESTOS		(2) HOSPITAL
	(3) POTW		"N/A"		(3) OTHER(specify):		(3) CAUSTICS		(3) MILLING/ MINE TAILINGS		(3) RADIOACTIVE
	(4) ALUMINUM SLUDGE				"N/A"		(4) PESTICIDES		(4) FERROUS SMLTG. WASTES		(4) MUNICIPAL
	(5) OTHER(specify):						(5) DYES/INKS		(5) NON-FERROUS SMLTG. WASTES		(5) OTHER(specify):
	"N/A"						(6) CYANIDE		(6) OTHER(specify):		"N/A"
							(7) PHENOLS		"N/A"		
							(8) HALOGENS				
							(9) PCB				
							(10) METALS				
							(11) OTHER(specify)				
							"N/A"				

### V. WASTE RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).

All waste generated prior to 1980 would have been placed in the landfill located behind the Reclamation Plant (VA-216).

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

There were no signs of a potential hazardous waste problem.

ORIGINAL  
(Red)

### VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD	XXX			
2. HUMAN HEALTH	<div style="border: 1px solid black; width: 100px; height: 600px; margin: 0 auto;"></div>			
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER				
8. CONTAMINATION OF SURFACE WATER				
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL				
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS				
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

## VII. PERMIT INFORMATION

## A. INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE.

- ☐ 1. NPDES PERMIT    ☐ 2. SPCC PLAN    ☐ 3. STATE PERMIT (specify): \_\_\_\_\_  
☐ 4. AIR PERMITS    ☐ 5. LOCAL PERMIT    ☐ 6. RCRA TRANSPORTER  
☐ 7. RCRA STORER    ☐ 8. RCRA TREATER    ☐ 9. RCRA DISPOSER  
☐ 10. OTHER (specify): "N/A"

## B. IN COMPLIANCE?

- ☐ 1. YES    ☐ 2. NO    ☐ 3. UNKNOWN    "N/A"

4. WITH RESPECT TO (list regulation name & number): \_\_\_\_\_

## VIII. PAST REGULATORY ACTIONS

- ☐ A. NONE    ☐ B. YES (summarize below)

"N/A"

## IX. INSPECTION ACTIVITY (past or on-going)

- ☐ A. NONE    ☒ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION
Superfund	1-5-84	State - VA	Assess Potential Hazardous Waste Site

## X. REMEDIAL ACTIVITY (past or on-going)

- ☒ A. NONE    ☐ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment (Section II) information on the first page of this form.



POTENTIAL HAZARDOUS WASTE SITE  
IDENTIFICATION AND PRELIMINARY ASSESSMENT

REGION III SITE NUMBER (to be assigned by HQ) VA-215

**NOTE:** This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

**GENERAL INSTRUCTIONS:** Complete Sections I and III through X as completely as possible before Section II (Preliminary Assessment). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME Reynolds Metals Bellwood Printing Plant		B. STREET (or other identifier) 2001 Reymet Road	
C. CITY Richmond	D. STATE VA	E. ZIP CODE 23234	F. COUNTY NAME Chesterfield
G. OWNER/OPERATOR (if known) 1. NAME Reynolds Metals Company		2. TELEPHONE NUMBER (804) 281-2918	
H. TYPE OF OWNERSHIP <input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input checked="" type="checkbox"/> 5. PRIVATE <input type="checkbox"/> 6. UNKNOWN			
I. SITE DESCRIPTION Active manufacturing plant producing labels and packaging.			
J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.) Section 103(c) CERCLA Notification			K. DATE IDENTIFIED (mo., day, & yr.) June 1981
L. PRINCIPAL STATE CONTACT 1. NAME B. Wright, Va. State Health Dept., Solid Waste Management		2. TELEPHONE NUMBER (804) 225-2822	

II. PRELIMINARY ASSESSMENT (complete this section last)

A. APPARENT SERIOUSNESS OF PROBLEM <input type="checkbox"/> 1. HIGH <input type="checkbox"/> 2. MEDIUM <input type="checkbox"/> 3. LOW <input checked="" type="checkbox"/> 4. NONE <input type="checkbox"/> 5. UNKNOWN	
B. RECOMMENDATION <input checked="" type="checkbox"/> 1. NO ACTION NEEDED (no hazard) <input type="checkbox"/> 2. IMMEDIATE SITE INSPECTION NEEDED a. TENTATIVELY SCHEDULED FOR: b. WILL BE PERFORMED BY: <input type="checkbox"/> 3. SITE INSPECTION NEEDED a. TENTATIVELY SCHEDULED FOR: b. WILL BE PERFORMED BY: <input type="checkbox"/> 4. SITE INSPECTION NEEDED (low priority)	

C. PREPARER INFORMATION		
1. NAME Robert Wichser, Kevin Greene	2. TELEPHONE NUMBER (804) 225-2835 (804) 225-2802	3. DATE (mo., day, & yr.) January 1984

III. SITE INFORMATION

A. SITE STATUS <input checked="" type="checkbox"/> 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.) <input type="checkbox"/> 2. INACTIVE (Those sites which no longer receive wastes.) <input type="checkbox"/> 3. OTHER (specify): (Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)	
B. IS GENERATOR ON SITE? <input type="checkbox"/> 1. NO <input checked="" type="checkbox"/> 2. YES (specify generator's four-digit SIC Code): 2751	
C. AREA OF SITE (in acres) 171.0	D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES 1. LATITUDE (deg.-min.-sec.) N 38°60'00" 2. LONGITUDE (deg.-min.-sec.) W 23°15'00"
E. ARE THERE BUILDINGS ON THE SITE? <input type="checkbox"/> 1. NO <input checked="" type="checkbox"/> 2. YES (specify): Please refer to page #15-7, photograph #3-3.	

## IV. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

X' A. TRANSPORTER	X' B. STORER	X' C. TREATER	X' D. DISPOSER
1. RAIL	1. PILE	1. FILTRATION	1. LANDFILL
2. SHIP	2. SURFACE IMPOUNDMENT	2. INCINERATION	2. LANDFARM
3. BARGE	X 3. DRUMS	3. VOLUME REDUCTION	3. OPEN DUMP
4. TRUCK	4. TANK, ABOVE GROUND	4. RECYCLING/RECOVERY	4. SURFACE IMPOUNDMENT
5. PIPELINE	X 5. TANK, BELOW GROUND	5. CHEM./PHYS. TREATMENT	5. MIDNIGHT DUMPING
6. OTHER (specify):	6. OTHER (specify):	6. BIOLOGICAL TREATMENT	6. INCINERATION
"N/A"		7. WASTE OIL REPROCESSING	7. UNDERGROUND INJECTION
		8. SOLVENT RECOVERY	8. OTHER (specify):
		9. OTHER (specify):	"N/A"
		"N/A"	

## E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED

The Bellwood Printing Plant has been in operation since 1958 and has been producing labels and packaging since that time. The basic process is to laminate paper or cardboard to foil print cut and package labels.

## V. WASTE RELATED INFORMATION

## A. WASTE TYPE

☐ 1. UNKNOWN ☐ 2. LIQUID ☐ 3. SOLID ☒ 4. SLUDGE ☐ 5. GAS

## B. WASTE CHARACTERISTICS

☒ 1. UNKNOWN ☐ 2. CORROSIVE ☒ 3. IGNITABLE ☐ 4. RADIOACTIVE ☐ 5. HIGHLY VOLATILE  
☐ 6. TOXIC ☐ 7. REACTIVE ☐ 8. INERT ☒ 9. FLAMMABLE

☐ 10. OTHER (specify):

## C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

Yes, Manifests, Inventories

2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT 10,000	AMOUNT	AMOUNT 77,000/yr.	AMOUNT	AMOUNT	AMOUNT
UNIT OF MEASURE pounds	UNIT OF MEASURE	UNIT OF MEASURE gal.	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
X' (1) PAINT, PIGMENTS	X' (1) OILY WASTES	X' (1) HALOGENATED SOLVENTS	X' (1) ACIDS	X' (1) FLYASH	X' (1) LABORATORY PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER (specify):	X (2) NON-HALOGNTD. SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW	"N/A"	X (3) OTHER (specify):	(3) CAUSTICS	(3) MILLING/ MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE		Isopropyl/ Acetate	(4) PESTICIDES	(4) FERROUS SMLTG. WASTES	(4) MUNICIPAL
X (5) OTHER (specify):		Heptane	(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER (specify):
1. Adhesives		Toluene	(6) CYANIDE	(6) OTHER (specify):	"N/A"
2. Printing Inks		Isopropyl Alcohol	(7) PHENOLS	"N/A"	
		Propyl Alcohol	(8) HALOGENS		
		Solvent Formula	(9) PCB		
			(10) METALS		
			(11) OTHER (specify):		
			"N/A"		

### V. WASTE RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).

Quantities of adhesives, printing inks, etc., amount to approximately 40,000#/day. Liquid waste amounts to approximately 77,000 gal/yr comprised of 70% liquid and 30% solids in the form of pigments. Drum storage and status at this facility needs review under RCRA program. There were no visible signs of a potential hazardous waste problem in the area.

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

Underground Solvent (toluene and other non-halogenated waste) storage tanks should be addressed.

### VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD				
2. HUMAN HEALTH				
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER	X			Potential exists for underground metal storage tanks to leak.
8. CONTAMINATION OF SURFACE WATER				
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL	X			Potential exists for underground metal storage tanks to leak.
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS				
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

## VII. PERMIT INFORMATION

A. INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE.

- ☒ 1. NPDES PERMIT    ☐ 2. SPCC PLAN    ☐ 3. STATE PERMIT (specify): \_\_\_\_\_  
☒ 4. AIR PERMITS    ☐ 5. LOCAL PERMIT    ☐ 6. RCRA TRANSPORTER  
☐ 7. RCRA STORER    ☐ 8. RCRA TREATER    ☐ 9. RCRA DISPOSER  
☐ 10. OTHER (specify): \_\_\_\_\_

B. IN COMPLIANCE?

- ☒ 1. YES    ☐ 2. NO    ☐ 3. UNKNOWN

4. WITH RESPECT TO (list regulation name &amp; number): \_\_\_\_\_

## VIII. PAST REGULATORY ACTIONS

- ☐ A. NONE    ☒ B. YES (summarize below)

Reynolds Metals Company entered under a Consent Decree with the Virginia Air Board on omissions at the Bellwood Complex.

## IX. INSPECTION ACTIVITY (past or on-going)

- ☐ A. NONE    ☐ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION
Superfund	1-5-84	State - VA	Assess Potential Hazardous Waste Site.

## X. REMEDIAL ACTIVITY (past or on-going)

- ☒ A. NONE    ☐ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment (Section II) information on the first page of this form.





**POTENTIAL HAZARDOUS WASTE SITE  
IDENTIFICATION AND PRELIMINARY ASSESSMENT**

REGION  III	SITE NUMBER (to be assigned by HQ)  VA-216
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**NOTE:** This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

**GENERAL INSTRUCTIONS:** Complete Sections I and III through X as completely as possible before Section II (Preliminary Assessment). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

**I. SITE IDENTIFICATION**

A. SITE NAME <u>Reynolds Metals Bellwood Reclamation Plant</u>		B. STREET (or other identifier) <u>1711 Reymet Road</u>	
C. CITY <u>Richmond</u>	D. STATE <u>VA</u>	E. ZIP CODE <u>23224</u>	F. COUNTY NAME <u>Chesterfield</u>
G. OWNER/OPERATOR (if known) 1. NAME <u>Reynolds Metals Company</u>		2. TELEPHONE NUMBER <u>(804) 281-2918</u>	
H. TYPE OF OWNERSHIP <input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input checked="" type="checkbox"/> 5. PRIVATE <input type="checkbox"/> 6. UNKNOWN			

**I. SITE DESCRIPTION**

Active facility used for smelting of aluminum.

J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.) <u>Section 103(c) CERCL Notification</u>	K. DATE IDENTIFIED (mo., day, & yr.) <u>June 1981</u>
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L. PRINCIPAL STATE CONTACT 1. NAME <u>B. Wright, Va. State Health Dept., Solid Waste Management</u>	2. TELEPHONE NUMBER <u>(804) 225-2822</u>
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**II. PRELIMINARY ASSESSMENT (complete this section last)**

A. APPARENT SERIOUSNESS OF PROBLEM <input type="checkbox"/> 1. HIGH <input type="checkbox"/> 2. MEDIUM <input type="checkbox"/> 3. LOW <input checked="" type="checkbox"/> 4. NONE <input type="checkbox"/> 5. UNKNOWN	
B. RECOMMENDATION <input checked="" type="checkbox"/> 1. NO ACTION NEEDED (no hazard)  <input type="checkbox"/> 2. IMMEDIATE SITE INSPECTION NEEDED a. TENTATIVELY SCHEDULED FOR: _____ b. WILL BE PERFORMED BY: _____  <input type="checkbox"/> 3. SITE INSPECTION NEEDED a. TENTATIVELY SCHEDULED FOR: _____ b. WILL BE PERFORMED BY: _____  <input type="checkbox"/> 4. SITE INSPECTION NEEDED (low priority)	

C. PREPARER INFORMATION 1. NAME <u>Robert Wichser, Kevin Greene</u>	2. TELEPHONE NUMBER <u>(804) 225-2835</u> <u>(804) 225-2802</u>	3. DATE (mo., day, & yr.) <u>January 1984</u>
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**III. SITE INFORMATION**

A. SITE STATUS <input checked="" type="checkbox"/> 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.) <input type="checkbox"/> 2. INACTIVE (Those sites which no longer receive wastes.) <input type="checkbox"/> 3. OTHER (specify): _____ (Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)		
B. IS GENERATOR ON SITE? <input type="checkbox"/> 1. NO <input checked="" type="checkbox"/> 2. YES (specify generator's four-digit SIC Code): <u>3341</u>		
C. AREA OF SITE (in acres) <u>171.0</u>	D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES 1. LATITUDE (deg., -min., -sec.) <u>N 38° 60' 00"</u> 2. LONGITUDE (deg., -min., -sec.) <u>W 23° 15' 00"</u>	
E. ARE THERE BUILDINGS ON THE SITE? <input type="checkbox"/> 1. NO <input checked="" type="checkbox"/> 2. YES (specify): <u>Please refer to page #15-8, photograph #3-4.</u>		

## IV. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

X' A. TRANSPORTER	X' B. STORER	X' C. TREATER	X' D. DISPOSER
1. RAIL	X 1. PILE	1. FILTRATION	1. LANDFILL
2. SHIP	X 2. SURFACE IMPOUNDMENT	2. INCINERATION	2. LANDFARM
3. BARGE	3. DRUMS	3. VOLUME REDUCTION	3. OPEN DUMP
4. TRUCK	4. TANK, ABOVE GROUND	4. RECYCLING/RECOVERY	4. SURFACE IMPOUNDMENT
5. PIPELINE	5. TANK, BELOW GROUND	5. CHEM./PHYS. TREATMENT	5. MIDNIGHT DUMPING
6. OTHER (specify):	6. OTHER (specify):	6. BIOLOGICAL TREATMENT	6. INCINERATION
"N/A"		7. WASTE OIL REPROCESSING	7. UNDERGROUND INJECTION
		8. SOLVENT RECOVERY	8. OTHER (specify):
		9. OTHER (specify):	
		"N/A"	"N/A"

## E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED

This facility reclaims aluminum from scraps and produces ingots which in turn are converted to finish products at their other plants.  
Please refer to Appendix D for process flow.

## V. WASTE RELATED INFORMATION

## A. WASTE TYPE

☐ 1. UNKNOWN ☐ 2. LIQUID ☒ 3. SOLID ☒ 4. SLUDGE ☐ 5. GAS

## B. WASTE CHARACTERISTICS

☒ 1. UNKNOWN ☐ 2. CORROSIVE ☐ 3. IGNITABLE ☐ 4. RADIOACTIVE ☐ 5. HIGHLY VOLATILE  
☐ 6. TOXIC ☐ 7. REACTIVE ☐ 8. INERT ☐ 9. FLAMMABLE

☐ 10. OTHER (specify):

## C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

Yes, Inventories.

2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
1400/yr.					38,000
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
tons					cu. yd.
X' (1) PAINT, PIGMENTS	X' (1) OILY WASTES	X' (1) HALOGENATED SOLVENTS	X' (1) ACIDS	X' (1) FLYASH	X' (1) LABORATORY PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER (specify):	(2) NON-HALOGNTD. SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW	"N/A"	(3) OTHER (specify):	(3) CAUSTICS	(3) MILLING/ MINE TAILINGS	(3) RADIOACTIVE
X (4) ALUMINUM SLUDGE		"N/A"	(4) PESTICIDES	(4) FERROUS SMLTG. WASTES	(4) MUNICIPAL
X (5) OTHER (specify):			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	X (6) OTHER (specify):
Carbon Solids and Aluminum Fines (TS=25.50%)			(6) CYANIDE	(6) OTHER (specify):	Estimate of Landfill Contents
			(7) PHENOLS	"N/A"	
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			(11) OTHER (specify):		
			"N/A"		

### V. WASTE RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).

Please refer to Page #11-1.

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

"N/A"

ORIGINAL

### VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD	XXX			
2. HUMAN HEALTH	<div style="border: 1px solid black; width: 100px; height: 600px; margin: 0 auto;"></div>			
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER				
8. CONTAMINATION OF SURFACE WATER				
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL				
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS				
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

**VII. PERMIT INFORMATION****A. INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE.**

- ☐ 1. NPDES PERMIT    ☐ 2. SPCC PLAN    ☐ 3. STATE PERMIT (specify): \_\_\_\_\_  
☒ 4. AIR PERMITS    ☐ 5. LOCAL PERMIT    ☐ 6. RCRA TRANSPORTER  
☐ 7. RCRA STORER    ☐ 8. RCRA TREATER    ☐ 9. RCRA DISPOSER  
☐ 10. OTHER (specify): \_\_\_\_\_

**B. IN COMPLIANCE?**

- ☒ 1. YES    ☐ 2. NO    ☐ 3. UNKNOWN

4. WITH RESPECT TO (list regulation name &amp; number): \_\_\_\_\_

**VIII. PAST REGULATORY ACTIONS**

- ☐ A. NONE    ☒ B. YES (summarize below)

Va. State Department of Health, Division of Solid Waste Management  
 1981 - Closure requirements for Sanitary Landfill Permit #140.

**IX. INSPECTION ACTIVITY (past or on-going)**

- ☐ A. NONE    ☒ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION
Superfund	1-5-84	State - VA	Assess Potential Hazardous Waste Site

**X. REMEDIAL ACTIVITY (past or on-going)**

- ☒ A. NONE    ☐ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment (Section II) information on the first page of this form.

### V-3 Waste Related Information

Reynolds Metals has operated a landfill since 1948 (permitted in 1973 by the Virginia Department of Health, Permit #140) located in an area to the rear of the Reclamation Plant. Typical waste consists of light gauge aluminum foil laminated with wax, plastic, etc. Also disposed in this landfill was a secondary aluminum material called dross which is a slag-type mixture fairly high in aluminum content. In addition, scrubber sludge from the multi-hearth Herreshoff furnace and charring kiln in the form of carbon and aluminum fines are pumped to one of three carbon basins located in this area for settling. Scrubber water contained with this sludge then overflows to an unlined evaporation lagoon. (Refer to Appendix C for chemical analysis on carbon sludge and process flow diagram.) Since 1973 the only material currently disposed of in the landfill is carbon solids.

Reynolds Metals stated that future plans included complete close-out (removal of material and fill-in) of the three carbon basins and lagoon. The carbon and aluminum fines discharged from air purification units would be pelletized.

Reynolds Metals is in Phase II of the final close-out of this land-fill. (Refer to page #15-8, photo #3-4.)

The existing topography of the landfill indicated that the approximate volume deposited and now consolidated is 38,000 cu. yd. The topography of the landfill indicates that the primary drainage pattern in the area of the landfill is characterized by two creeks. These creeks join Proctor's Creek which flows to the James River.



**POTENTIAL HAZARDOUS WASTE SITE  
IDENTIFICATION AND PRELIMINARY ASSESSMENT**

REGION  III	SITE NUMBER (to be assigned by HQ)  VA-217
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**NOTE:** This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

**GENERAL INSTRUCTIONS:** Complete Sections I and III through X as completely as possible before Section II (Preliminary Assessment). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

**I. SITE IDENTIFICATION**

A. SITE NAME Reynolds Metals South Plant		B. STREET (or other identifier) Seventh and Bainbridge Streets <b>ORIGINAL</b>	
C. CITY Richmond	D. STATE VA	E. ZIP CODE 23224	F. COUNTY NAME (P...)
G. OWNER/OPERATOR (if known) 1. NAME Reynolds Metals Company, Richmond, VA 23261		2. TELEPHONE NUMBER (804) 281-2918	
H. TYPE OF OWNERSHIP <input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input checked="" type="checkbox"/> 5. PRIVATE <input type="checkbox"/> 6. UNKNOWN			

**I. SITE DESCRIPTION**

Active manufacturing of plain and coated aluminum foil.

**J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.)**

Section 103(c) CERCLA Notification

**K. DATE IDENTIFIED (mo., day, & yr.)**

June 1981

**L. PRINCIPAL STATE CONTACT**

1. NAME

B. Wright, Va. State Health Dept., Solid Waste Management

2. TELEPHONE NUMBER

(804) 225-2822

**II. PRELIMINARY ASSESSMENT (complete this section last)**

**A. APPARENT SERIOUSNESS OF PROBLEM**

☐ 1. HIGH    ☐ 2. MEDIUM    ☐ 3. LOW    ☒ 4. NONE    ☐ 5. UNKNOWN

**B. RECOMMENDATION**

☒ 1. NO ACTION NEEDED (no hazard)

☐ 2. IMMEDIATE SITE INSPECTION NEEDED

a. TENTATIVELY SCHEDULED FOR:

☐ 3. SITE INSPECTION NEEDED

a. TENTATIVELY SCHEDULED FOR:

b. WILL BE PERFORMED BY:

b. WILL BE PERFORMED BY:

☐ 4. SITE INSPECTION NEEDED (low priority)

**C. PREPARER INFORMATION**

1. NAME

Robert Wichser, Kevin Greene

2. TELEPHONE NUMBER

(804) 225-2835

(804) 225-2802

3. DATE (mo., day, & yr.)

January 1984

**III. SITE INFORMATION**

**A. SITE STATUS**

☒ 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if intermittently.)

☐ 2. INACTIVE (Those sites which no longer receive wastes.)

☐ 3. OTHER (specify):  
(Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)

**B. IS GENERATOR ON SITE?**

☐ 1. NO

☒ 2. YES (specify generator's four-digit SIC Code): 3353

Site classified as non-RCRA generator.

**C. AREA OF SITE (in acres)**

37.0

**D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES**

1. LATITUDE (deg., min., sec.)

N 37° 31' 40"

2. LONGITUDE (deg., min., sec.)

W 77° 26' 12"

**E. ARE THERE BUILDINGS ON THE SITE?**

☐ 1. NO

☒ 2. YES (specify): Please refer to page #15-3, photograph #2-1.

## IV. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

X' X	A. TRANSPORTER	X' X	B. STORER	X' X	C. TREATER	X' X	D. DISPOSER
X	1. RAIL		1. PILE		1. FILTRATION		1. LANDFILL
	2. SHIP		2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM
	3. BARGE	X	3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
	4. TRUCK		4. TANK, ABOVE GROUND		4. RECYCLING/RECOVERY		4. SURFACE IMPOUNDMENT
	5. PIPELINE		5. TANK, BELOW GROUND		5. CHEM./PHYS. TREATMENT		5. MIDNIGHT DUMPING
	6. OTHER (specify):		6. OTHER (specify):		6. BIOLOGICAL TREATMENT		6. INCINERATION
	Please refer to page #15-3, photograph #2-1.				7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
					8. SOLVENT RECOVERY		8. OTHER (specify):
					9. OTHER (specify):		
					"N/A"		"N/A"

## E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED

The site is presently an active plain and coated aluminum fabrication plant.

## V. WASTE RELATED INFORMATION

## A. WASTE TYPE

☐ 1. UNKNOWN ☒ 2. LIQUID ☐ 3. SOLID ☐ 4. SLUDGE ☐ 5. GAS

## B. WASTE CHARACTERISTICS

☐ 1. UNKNOWN ☐ 2. CORROSIVE ☐ 3. IGNITABLE ☐ 4. RADIOACTIVE ☐ 5. HIGHLY VOLATILE  
☐ 6. TOXIC ☐ 7. REACTIVE ☐ 8. INERT ☒ 9. FLAMMABLE
☐ 10. OTHER (specify):

## C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

Yes, Manifests, Inventories.

2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
					54,120
					pounds
X' (1) PAINT, PIGMENTS	X' (1) OILY WASTES	X' (1) HALOGENATED SOLVENTS	X' (1) ACIDS	X' (1) FLYASH	X' (1) LABORATORY PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER (specify):	(2) NON-HALOGNTD. SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW	"N/A"	(3) OTHER (specify):	(3) CAUSTICS	(3) MILLING/ MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE		"N/A"	(4) PESTICIDES	(4) FERROUS SMLTG. WASTES	(4) MUNICIPAL
(5) OTHER (specify):			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	X' (5) OTHER (specify):
"N/A"			(6) CYANIDE	(6) OTHER (specify):	Waste Paint/ Flammable Liquid and Semi-Liquid
			(7) PHENOLS	"N/A"	
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			(11) OTHER (specify):		
			"N/A"		

### V. WASTE RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).

Approximately three hundred drums of non-hazardous and ten drums of labeled hazardous waste was noted during the plant visit. Please refer to page #15-3, photograph #2-1. These drums have been generated within the past six months.

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

Inspection reports by the RCRA group of the Virginia State Health Department were not found. Drum status at this facility should be addressed. No signs of waste disposal on site were noted.

### VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD	XXX			
2. HUMAN HEALTH	X			
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER				
8. CONTAMINATION OF SURFACE WATER				
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL				
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS				
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				



## VII. PERMIT INFORMATION

A. INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE.

- ☒ 1. NPDES PERMIT    ☐ 2. SPCC PLAN    ☐ 3. STATE PERMIT (specify): \_\_\_\_\_  
☒ 4. AIR PERMITS    ☐ 5. LOCAL PERMIT    ☐ 6. RCRA TRANSPORTER  
☐ 7. RCRA STORER    ☐ 8. RCRA TREATER    ☐ 9. RCRA DISPOSER  
☐ 10. OTHER (specify): \_\_\_\_\_

B. IN COMPLIANCE?

- ☒ 1. YES    ☐ 2. NO    ☐ 3. UNKNOWN

4. WITH RESPECT TO (list regulation name &amp; number): \_\_\_\_\_

## VIII. PAST REGULATORY ACTIONS

- ☒ A. NONE    ☐ B. YES (summarize below)

## IX. INSPECTION ACTIVITY (past or on-going)

- ☐ A. NONE    ☒ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION
Superfund	1-5-84	State - VA	Assess Potential Hazardous Waste Site

## X. REMEDIAL ACTIVITY (past or on-going)

- ☒ A. NONE    ☐ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment (Section II) information on the first page of this form.



**POTENTIAL HAZARDOUS WASTE SITE  
IDENTIFICATION AND PRELIMINARY ASSESSMENT**

REGION <b>III</b>	SITE NUMBER (to be assigned by HQ) <b>VA-218</b>
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**NOTE:** This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

**GENERAL INSTRUCTIONS:** Complete Sections I and III through X as completely as possible before Section II (Preliminary Assessment). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

**I. SITE IDENTIFICATION**

A. SITE NAME <b>Reynolds Metals Grottoes Plastic Plant</b>		B. STREET (or other identifier) <b>P. O. Box 128, Caverns Road</b>	
C. CITY <b>Grottoes</b>	D. STATE <b>VA</b>	E. ZIP CODE <b>24441</b>	F. COUNTY NAME <b>Augusta</b>
G. OWNER/OPERATOR (if known) 1. NAME <b>Reynolds Metals Company, Richmond, VA 23261</b>		2. TELEPHONE NUMBER <b>(804) 281-2918</b>	
H. TYPE OF OWNERSHIP <input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input checked="" type="checkbox"/> 5. PRIVATE <input type="checkbox"/> 6. UNKNOWN			

**I. SITE DESCRIPTION**

Manufacturing Plant for synthetic thermoplastic from polyvinyl chloride polymer.

**J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.)**

Section 103(c) CERCLA Notification

**K. DATE IDENTIFIED (mo., day, & yr.)**

June 1981

**L. PRINCIPAL STATE CONTACT**

1. NAME

B. Wright, Va. State Health Dept., Solid Waste Management

2. TELEPHONE NUMBER

(804) 225-2822

**II. PRELIMINARY ASSESSMENT (complete this section last)**

**A. APPARENT SERIOUSNESS OF PROBLEM**

☐ 1. HIGH    ☐ 2. MEDIUM    ☐ 3. LOW    ☒ 4. NONE    ☐ 5. UNKNOWN

**B. RECOMMENDATION**

☒ 1. NO ACTION NEEDED (no hazard)

☐ 2. IMMEDIATE SITE INSPECTION NEEDED

a. TENTATIVELY SCHEDULED FOR:

☐ 3. SITE INSPECTION NEEDED

a. TENTATIVELY SCHEDULED FOR:

b. WILL BE PERFORMED BY:

b. WILL BE PERFORMED BY:

☐ 4. SITE INSPECTION NEEDED (low priority)

**C. PREPARER INFORMATION**

1. NAME

Robert Wichser, Kevin Greene

2. TELEPHONE NUMBER

(804) 225-2835

(804) 225-2802

3. DATE (mo., day, & yr.)

January 1984

**III. SITE INFORMATION**

**A. SITE STATUS**

☒ 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)

☐ 2. INACTIVE (Those sites which no longer receive wastes.)

☐ 3. OTHER (specify):  
(Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)

**B. IS GENERATOR ON SITE?**

☐ 1. NO

☒ 2. YES (specify generator's four-digit SIC Code): 3079

Site classified as RCRA storer.

**C. AREA OF SITE (in acres)**

27.0

**D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES**

1. LATITUDE (deg., -min., -sec.)

N 38°15'30"

2. LONGITUDE (deg., -min., -sec.)

W 78°49'66"

**E. ARE THERE BUILDINGS ON THE SITE?**

☐ 1. NO

☒ 2. YES (specify): Please refer to page #15-9, photograph #4-1.

## IV. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

X	A. TRANSPORTER	X	B. STORER	X	C. TREATER	X	D. DISPOSER
	1. RAIL		1. PILE		1. FILTRATION		1. LANDFILL
	2. SHIP		2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM
	3. BARGE		3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
	4. TRUCK		4. TANK, ABOVE GROUND		4. RECYCLING/RECOVERY		4. SURFACE IMPOUNDMENT
	5. PIPELINE	X	5. TANK, BELOW GROUND		5. CHEM./PHYS. TREATMENT		5. MIDNIGHT DUMPING
	6. OTHER (specify):		6. OTHER (specify):		6. BIOLOGICAL TREATMENT		6. INCINERATION
	"N/A"		"N/A"		7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
					8. SOLVENT RECOVERY		8. OTHER (specify):
					9. OTHER (specify):		"N/A"
					"N/A"		"N/A"

## E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED

The site is presently an active thermoplastic manufacturing plant.

## V. WASTE RELATED INFORMATION

## A. WASTE TYPE

☐ 1. UNKNOWN    ☐ 2. LIQUID    ☒ 3. SOLID    ☐ 4. SLUDGE    ☐ 5. GAS

## B. WASTE CHARACTERISTICS

☐ 1. UNKNOWN    ☐ 2. CORROSIVE    ☐ 3. IGNITABLE    ☐ 4. RADIOACTIVE    ☒ 5. HIGHLY VOLATILE  
☐ 6. TOXIC    ☐ 7. REACTIVE    ☐ 8. INERT    ☒ 9. FLAMMABLE
☐ 10. OTHER (specify):

## C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

Yes, Inventories.

2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
		100,000/yr			
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
		gal			
X (1) PAINT, PIGMENTS	X (1) OILY WASTES	X (1) HALOGENATED SOLVENTS	X (1) ACIDS	X (1) FLYASH	X (1) LABORATORY PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER (specify):	X (2) NON-HALOGNTD. SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW	"N/A"	(3) OTHER (specify):	(3) CAUSTICS	(3) MILLING/ MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE			(4) PESTICIDES	(4) FERROUS SMLTG. WASTES	(4) MUNICIPAL
(5) OTHER (specify):			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER (specify):
"N/A"			(6) CYANIDE	(6) OTHER (specify):	"N/A"
			(7) PHENOLS	"N/A"	
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			(11) OTHER (specify):		
			"N/A"		

### V. WASTE RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).

The facility stores a mixture of alcohol in twenty- to thirty-year old metal tanks below ground. (Vol. of each approx. 30,000 gal.) Estimated time of storage of alcohol (5%) batch is six months before removal and incineration for BTU content. (Mixture is concentrated before shipment to 95%.) Drums stored on site should also be reviewed and addressed.

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

Inspection reports by the RCRA group of the Virginia State Health Department were not found. Drum status at this facility should be addressed. There are no signs of hazardous waste problems stemming before 1980.

### VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS	<b>ORIGINAL</b> (Red)
1. NO HAZARD					
2. HUMAN HEALTH					
3. NON-WORKER INJURY/EXPOSURE					
4. WORKER INJURY					
5. CONTAMINATION OF WATER SUPPLY					
6. CONTAMINATION OF FOOD CHAIN					
7. CONTAMINATION OF GROUND WATER	X			Potential exists for aged below-ground metal tanks to leak.	
8. CONTAMINATION OF SURFACE WATER					
9. DAMAGE TO FLORA/FAUNA					
10. FISH KILL					
11. CONTAMINATION OF AIR					
12. NOTICEABLE ODORS					
13. CONTAMINATION OF SOIL	X			Potential exists for aged below-ground metal tanks to leak.	
14. PROPERTY DAMAGE					
15. FIRE OR EXPLOSION					
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS					
17. SEWER, STORM DRAIN PROBLEMS					
18. EROSION PROBLEMS					
19. INADEQUATE SECURITY					
20. INCOMPATIBLE WASTES					
21. MIDNIGHT DUMPING					
22. OTHER (specify):					

## VII. PERMIT INFORMATION

A. INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE.

- ☒ 1. NPDES PERMIT    ☐ 2. SPCC PLAN    ☐ 3. STATE PERMIT (specify): \_\_\_\_\_  
☒ 4. AIR PERMITS    ☐ 5. LOCAL PERMIT    ☐ 6. RCRA TRANSPORTER  
☐ 7. RCRA STORER    ☐ 8. RCRA TREATER    ☐ 9. RCRA DISPOSER  
☐ 10. OTHER (specify): \_\_\_\_\_

B. IN COMPLIANCE?

- ☒ 1. YES    ☐ 2. NO    ☐ 3. UNKNOWN

4. WITH RESPECT TO (list regulation name &amp; number): \_\_\_\_\_

## VIII. PAST REGULATORY ACTIONS

- ☒ A. NONE    ☐ B. YES (summarize below)

## IX. INSPECTION ACTIVITY (past or on-going)

- ☐ A. NONE    ☒ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION
Superfund	1-5-84	State - VA	Assess Potential Hazardous Waste Site.

## X. REMEDIAL ACTIVITY (past or on-going)

- ☒ A. NONE    ☐ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment (Section II) information on the first page of this form.



**POTENTIAL HAZARDOUS WASTE SITE  
IDENTIFICATION AND PRELIMINARY ASSESSMENT**

REGION	SITE NUMBER (to be as- signed by Hq)
III	VA-219

**NOTE:** This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

**GENERAL INSTRUCTIONS:** Complete Sections I and III through X as completely as possible before Section II (Preliminary Assessment). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

**I. SITE IDENTIFICATION**

A. SITE NAME Southern Gravure Service, Inc.		B. STREET (or other identifier) Sprouse Drive and Settler Road	
C. CITY Richmond	D. STATE VA	E. ZIP CODE 23231	F. COUNTY NAME Henrico
G. OWNER/OPERATOR (if known) 1. NAME Reynolds Metals Company, Richmond, VA 23261		2. TELEPHONE NUMBER (804) 281-2918	
H. TYPE OF OWNERSHIP <input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input checked="" type="checkbox"/> 5. PRIVATE <input type="checkbox"/> 6. UNKNOWN			

I. SITE DESCRIPTION  
Active manufacturing facility using the rotogravure printing process.

J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.)

Section 103(c) CERCLA Notification

K. DATE IDENTIFIED  
(mo., day, & yr.)  
June 1981

L. PRINCIPAL STATE CONTACT

1. NAME

B. Wright, Va. State Health Dept. Solid Waste Management

2. TELEPHONE NUMBER

(804) 225-2822

**II. PRELIMINARY ASSESSMENT (complete this section last)**

A. APPARENT SERIOUSNESS OF PROBLEM

☐ 1. HIGH    ☐ 2. MEDIUM    ☐ 3. LOW    ☒ 4. NONE    ☐ 5. UNKNOWN

B. RECOMMENDATION

☒ 1. NO ACTION NEEDED (no hazard)

☐ 2. IMMEDIATE SITE INSPECTION NEEDED

a. TENTATIVELY SCHEDULED FOR:

☐ 3. SITE INSPECTION NEEDED

a. TENTATIVELY SCHEDULED FOR:

b. WILL BE PERFORMED BY:

b. WILL BE PERFORMED BY:

☐ 4. SITE INSPECTION NEEDED (low priority)

C. PREPARER INFORMATION

1. NAME

Robert Wichser, Kevin Greene

2. TELEPHONE NUMBER

(804) 225-2835

(804) 225-2802

3. DATE (mo., day, & yr.)

January 1984

**III. SITE INFORMATION**

A. SITE STATUS

☒ 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)

☐ 2. INACTIVE (Those sites which no longer receive wastes.)

☐ 3. OTHER (specify):  
(Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)

B. IS GENERATOR ON SITE?

☐ 1. NO

☒ 2. YES (specify generator's four-digit SIC Code): 2793

C. AREA OF SITE (in acres)

4.5

D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES

1. LATITUDE (deg., min., sec.)

N 37°29'30"

2. LONGITUDE (deg., min., sec.)

W 77°19'30"

E. ARE THERE BUILDINGS ON THE SITE?

☐ 1. NO

☒ 2. YES (specify):

Please refer to page #15-1, photograph #5-1.

## IV. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

X' A. TRANSPORTER	X' B. STORER	X' C. TREATER	X' D. DISPOSER
1. RAIL	1. PILE	1. FILTRATION	1. LANDFILL
2. SHIP	2. SURFACE IMPOUNDMENT	2. INCINERATION	2. LANDFARM
3. BARGE	3. DRUMS	3. VOLUME REDUCTION	3. OPEN DUMP
4. TRUCK	X 4. TANK, ABOVE GROUND	4. RECYCLING/RECOVERY	4. SURFACE IMPOUNDMENT
5. PIPELINE	5. TANK, BELOW GROUND	5. CHEM./PHYS. TREATMENT	5. MIDNIGHT DUMPING
6. OTHER (specify):	6. OTHER (specify):	6. BIOLOGICAL TREATMENT	6. INCINERATION
"N/A"		7. WASTE OIL REPROCESSING	7. UNDERGROUND INJECTION
		8. SOLVENT RECOVERY	8. OTHER (specify):
		9. OTHER (specify):	
		"N/A"	"N/A"

## E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED

The facility is an active manufacturing site.

## V. WASTE RELATED INFORMATION

## A. WASTE TYPE

☐ 1. UNKNOWN    ☒ 2. LIQUID    ☐ 3. SOLID    ☐ 4. SLUDGE    ☐ 5. GAS

## B. WASTE CHARACTERISTICS

☐ 1. UNKNOWN    ☒ 2. CORROSIVE    ☒ 3. IGNITABLE    ☐ 4. RADIOACTIVE    ☐ 5. HIGHLY VOLATILE  
☐ 6. TOXIC    ☒ 7. REACTIVE    ☐ 8. INERT    ☐ 9. FLAMMABLE
☐ 10. OTHER (specify):

## C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

Yes, Inventories

2. Estimate the amount(specify unit of measure)of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
23		0.5	not available		
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
tons		tons	--		
X' (1) PAINT, PIGMENTS	X' (1) OILY WASTES	X' (1) HALOGENATED SOLVENTS	X' (1) ACIDS	X' (1) FLYASH	X' (1) LABORATORY PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER(specify):	X (2) NON-HALOGNTD. SOLVENTS	X (2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW	"N/A"	(3) OTHER(specify):	(3) CAUSTICS	(3) MILLING/ MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE			(4) PESTICIDES	(4) FERROUS SMLTG. WASTES	(4) MUNICIPAL
X (5) OTHER(specify):			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER(specify):
Ink/Solvent Sludge Waste			(6) CYANIDE	(6) OTHER(specify):	"N/A"
			(7) PHENOLS	"N/A"	
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			X (11) OTHER(specify):		
			Cr, Cu, Fe liquors		

### V. WASTE RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).

Pickling liquors to date have been combined with solvent waste and is either:  
1) vaporized; 2) passed to county sewage; 3) held in a 5,000 gal. waste tank until shipped off site for disposal. There is no sign of waste disposal on site noted.

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

Feedstocks - Ethanol, butyl acetate blend and acetone used as ink thinners and degreasing are combined with ferric salts. Total = approx. 130 gal/day. Every thirty to forty days this waste is transported off site.

### VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD	XXX			
2. HUMAN HEALTH	X			
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER				
8. CONTAMINATION OF SURFACE WATER				
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL				
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS				
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				



## VII. PERMIT INFORMATION

## A. INDICATE ALL APPLICABLE PERMITS HELD BY THE SITE.

- ☐ 1. NPDES PERMIT    ☐ 2. SPCC PLAN    ☐ 3. STATE PERMIT (specify): \_\_\_\_\_  
☐ 4. AIR PERMITS    ☐ 5. LOCAL PERMIT    ☐ 6. RCRA TRANSPORTER  
☐ 7. RCRA STORER    ☐ 8. RCRA TREATER    ☐ 9. RCRA DISPOSER  
☐ 10. OTHER (specify): "N/A"

## B. IN COMPLIANCE?

- ☐ 1. YES    ☐ 2. NO    ☐ 3. UNKNOWN    "N/A"

4. WITH RESPECT TO (list regulation name & number): \_\_\_\_\_

## VIII. PAST REGULATORY ACTIONS

- ☐ A. NONE    ☐ B. YES (summarize below)

"N/A"

## IX. INSPECTION ACTIVITY (past or on-going)

- ☐ A. NONE    ☒ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION
Superfund	1-5-84	State - VA	Assess Potential Hazardous Waste Site.

## X. REMEDIAL ACTIVITY (past or on-going)

- ☒ A. NONE    ☐ B. YES (complete items 1, 2, 3, & 4 below)

1. TYPE OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION

NOTE: Based on the information in Sections III through X, fill out the Preliminary Assessment (Section II) information on the first page of this form.

10  
10

## CHAPTER 15

## PHOTOGRAPHS